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(54) BROMINATION OF POLYSTYRENE

(57)Abstract:

PURPOSE: To obtain a brominated polystyrene having low coloring and improved post-reactivity without requiring complicated operations of post handling, by brominating polystyrene in the presence of a double salt consisting of an alkali metal halide, etc. and an iron trihalide.

CONSTITUTION: In brominating polystyrene, a double salt obtained by heating (A) an alkali metal halide and/or an ammonium halide (e.g., ammonium halide, etc.) and (B) an iron trihalide (e.g., anhydrous iron trichloride, etc.) in a dry nitrogen atmosphere until both are melted, followed by cooling and crushing the resultant compound, is used as a catalyst, bromine is dropped to the polystyrene in a solvent, so that it is brominated, to give the desired brominated polystyrene.

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